

Patent 2188

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	RECEIVED
Manoj Khare	JAN 2 2 2001
Application No.: 09/643,380	Technology Center 2100
Filed: August 21, 2000	-
For: A METHOD AND APPARATUS FOR PIPELINING ORDERED INPUT/OUTPUT TRANSACTIONS TO COHERENT MEMORY IN A DISTRIBUTED MEMORY, CACHE COHERENT, MULTI- PROCESSOR SYSTEM	

Assistant Commissioner for Patents Box Missing Parts Washington, D.C. 20231

RESPONSE TO NOTIC	E TO FILE MISSING PAR	ITS OF APPLICATION
	(FILING DATE GRANTED))

Sir:

In response to the Notice to File Missing parts of Application (Filing Date Granted) mailed October 11, 2000, please find enclosed:

- (1) a duly executed Declaration and Power of Attorney with respect to the above-referenced patent application;
- (2) a check in the amount of \$130.00 in payment of the surcharge of 37 C.F.R. § 1.16(e);
 - (3) a copy of the Notice to File Missing Parts of Application;
- (4) a Petition for a __ month extension of time under 37 C.F.R. § 1.136(a); and

(5) a check in the an	a check in the amount of in payment of the extension of				
time fee.					
If any additional fee is re	quired, please charge Deposit Account No. 02-				
2666.					
	Respectfully submitted,				
	BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP				
Dated: 1/6 00	2				
	Michael J. Mallie				
12400 Wilshire Blvd. Seventh Floor Los Angeles, CA 90025-1026 (408) 720-8598	Reg. No. 36,591				
FIRST CLA	SS CERTIFICATE OF MAILING				
States Postal Service as first of	pondence is being deposited with the United class mail with sufficient postage in an envelope mmissioner for Patents, Washington, D.C. 20231				
D	ate of Deposit				
	naron M. Osofsky				
Name of Perso	n Mailing Correspondence				
Grave n.O	12-7-00				
Signature	Date				

DEC 1 2 2000

RADENTAL STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 2023I
WWW.uspto.gov

APPLICATION NUMBER

FILING/RECEIPT DATE

FIRST NAMED APPLICANT

ATTORNEY DOCKET NUMBER

09/643,380

08/21/2000

Manoj Khare

42390.P9301

Michael J Mallie Blakely Sokoloff Taylor & Zafman LLP Seventh Floor 12400 Wilshire Boulevard Los Angeles, CA 90025-1026



RECEIVED

JAN 2 2 2001

Technology Center 2100

Date Mailed: 10/11/2000

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 130.

A copy of this notice MUST be returned with the reply.

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

12/14/2000 HVUDNG1 00000114 09643380

01 FC:105

130.00 OP





#Sector

PTO/SB/17(11-00)

SUBTOTAL (1) \$____0

Approved for use through 10/31/2002. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

OIP	E				
DET 1 o	3000 EZ	U	Inder the Pape	rwork Reduc	tion
DEC 12	2000 y				
TRADEN	ator				
RADEN	Compie	te if I	Known:		
	Applica	tion I	No	09/643,3	380
	Filing D	ate_	August 2		
			Inventor		K

3)	FEE TRANSMITTAL FOR FY	2001	
Complete if Known:	TOTAL AMOUNT OF PAYMENT (\$)	_130.00	
Complete if Known:			
	643,380		
Filing Date _ August 21, 2	000		
First Named Inventor _ M	lanoj Khare et al.		
Group Art Unit 2185			
Evaminer Name Not Vet A	esigned		

Examiner Name	Not Yet Assigned
Attorney Docke	t No. <u>42390.P9301</u>
METHOD OF	PAYMENT (check one)
1. [X]	The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:
	Deposit Account Number 02-2666
	Deposit Account Name Blakely, Sokoloff, Taylor & Zafman LLP
[X]	Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

L 	X J	Applicant claims small entity status. See 37 CFR 1.27						
	<u>x_</u>	Payment Enciosed:	X	Check Credit Card Money Order				

Other

FEE CALCULATION

Multiple Dependent

2.

1. **BASIC FILING FEE**

<u>Large E</u>	Entity	Small	Entity		
Fee	Fee	Fee	Fee		
Code	(\$)	Code	(\$)	Fee Description	Fee Paid
101	710	201	355	Utility application filing fee	
106	320	206	160	Design application filing fee	
107	490	207	245	Piant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional application filing fee	
				, , , , , , , , , , , , , , , , , , ,	

2.	EXTRA CLAIM FEES			Extra Claims		Fee from		Fee Paid
				Extra Ciainis		below		ree raiu
Total	Claims	- 20**	=		X		=	
Indep	pendent Claims	- 3**	=		X		=	

**Or number previously paid, if greater; For Reissues, see below.

Large I	<u>ntity</u>	<u>Small</u>	<u>Entity</u>	
Fee	Fee	Fee	Fee	
Code	(\$)	Code	(\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	80	202	40	independent claims in excess of 3
104	270	204	135	Multiple dependent claim, if not paid
109	80	209	40	**Reissue independent ciaims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent
l				SUBTOTAL (2) \$

11/08/00 -1-



FEE CALCULATION (continued)

3. ADDITIONAL FEES

J.	ADDITIO		•	
Large		Small E		
Fee	Fee	Fee	Fee	
Code	(\$)	Code	(\$)	Fee Description Fee Paid
105	130	205	65 05	Surcharge - late filing fee or oath 130.00
127	50	227	25	Surcharge - late provisional filing fee
	100	400	400	or cover sheet
39	130	139	130	Non-English specification
47	2,520	147	2,520	For filing a request for ex parte reexamination
12	920*	112	920*	Requesting publication of SIR prior to Examiner action
113	1,840*	113	1,840*	Requesting publication of SiR after Examiner action
15	110	215	55	Extension for reply within first month
16	390	216	195	Extension for reply within second month
17	890	217	445	Extension for reply within third month
18	1,390	218	695	Extension for reply within fourth month
28	1,890	228	945	Extension for reply within fifth month
19	310	219	155	Notice of Appeal
20	310	220	155	Filing a brief in support of an appeal
21	270	221	135	Request for oral hearing
38	1,510	138	1,510	Petition to institute a public use proceeding
40	110	240	55	Petition to revive – unavoidable
41	1,240	241	620	Petition to revive - unintentional
42	1,240	242	620	Utility issue fee (or reissue)
43	440	243	220	Design issue fee
44	600	244	300	Plant issue fee
22	130	122	130	Petitions to the Commissioner
23	130	123	130	Petitions related to provisional applications
26	180	126	180	Submission of Information Disciosure Stmt
81	40	581	40	Recording each patent assignment per
				property (times number of properties)
46	710	246	355	For filing a submission after final rejection (see 37 CFR 1.129(a))
49	710	249	355	For each additional invention to be examined (see 37 CFR 1.129(b))
79	710	279	355	Request for Continued Examination (RCE)
69	900	169	900	Request for expedited examination of a design application
)ther 1	fee (speci	fy)		<u> </u>
Other 1	fee (speci	fy)		
Reduc	ed by Basic	c Filing Fee	Paid	SUBTOTAL (3) \$ <u>130.00</u>
SUBM	IITTED B	<u>Y</u> :		
Гурес	or Printe	ed Name:	Micha Micha	ael J. Mallie
Signa	ture:		X ~	Date: 127 00
₹eg. N	Number:	36,5	591	Telephone Number: 408-720-8300

WARNING: information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

11/08/00



FIRST CLASS CERTIFICATE OF MAILING

FIRST CLASS CERTIFICATE OF MAILING

States Postal Service as first class mail with sufficient postage in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231 on

Date of Deposit

Name of Person Mailing Correspondence

Signature

Date

Serial/Palent No.: 09/643,380 Client: Intel Corporation	Filing/Issue Date: August 21, 2000
Title: A METHOD AND APPARATUS F	OR PIPELINING ORDERED INPUT/OUTPUT
TRANSACTIONS TO COHERENT MEM	ORY IN A DISTRIBUTED MEMORY
BSTZ File No.: 42390 . P9301	Atty/Secty Initials: MJM/CTF/smo
Date Mailed:	Docket Due Date: 12/11/00
The following has been received in the U.S. Pa	tent & Trademark Office on the date stamped hereon;
Amendment/Response (pgs.)	Express Mail No.: To Check No. 393
Appeal Brief (pgs.) (in triplicate)	Month(s) Extension of Time Amt: \$130.00
Application - Utility (pgs., with cover and abstract)	Information Disclosure Statement & PTO 1449 (_ pgs.) Check No
Application - Rule 1.53(b) Continuation (pgs.)	Issue Fee Transmittal Amt:
Application - Rule 1.53(b) Divisional (pgs.)	Notice of Appeal
Application - Rule 1.53(b) CIP (pgs.)	Petition for Extension of Time
Application - Rule 1.53(d) CPA Transmittal (pgs.)	Petition for
Application - Design (pgs.)	Postcard
Application - PCT (pgs.)	Power of Attorney (pgs.)
Application - Provisional (pgs.)	Preliminary Amendment (pgs.)
Assignment and Cover Sheet	Reply Brief (pgs.)
Certificate of Mailing	Response to Notice of Missing Parts
XX Declaration & POA (18 pgs.) (3 sets)	Small Entity Declaration for Indep. Inventor/Small Business
Disclosure Docs & Oig & Copy of Inventor's Signed Letter (pgs)	Transmittal Letter, in duplicate
Drawings:# of sheets includes figures	Fee Transmittal, in duplicate
XX Other: Notice to File Missing	



Attorney's Docket No.: 42390.P9301

PATENT

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION (FOR INTEL CORPORATION PATENT APPLICATIONS)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below, next to m	y name.
I believe I am the original, first, and sole inventor (if only one name is listed below first, and joint inventor (if plural names are listed below) of the subject matter white for which a patent is sought on the invention entitled A METHOD AND APPARATUS FOR PIPELINING ORDERED INPUT/OF	ch is claimed and
TRANSACTIONS TO COHERENT MEMORY IN A DISTRIBUTED MEM	
COHERENT, MULTI-PROCESSOR SYSTEM	
the specification of which	
is attached hereto.	
X was filed on <u>August 21, 2000</u> United States Application Number <u>09/643,380</u> or PCT International Application Number	_as
and was amended on (MM/DD/YYYY)	 •
(if applicable)	

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment referred to above. I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, and that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d), of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)			Priori <u>Claim</u>	•
(Number)	(Country) (n Filing Date - DD/YYYY)	Yes	No
(Number)	(Country) (n Filing Date - D/YYYY)	Yes	No
(Number)	(Country)		n Filing Date - D/YYYY)	Yes	No
I hereby claim the benefit opposition (s) li	under Title 35, United States sted below:	Code,	Section 119(e) of a	ny United	States
Application Number	(Filing Date – MM/	/DD/YY	YY)		
Application Number	(Filing Date – MM)	/DD/YY	YY)		
application(s) listed below is not disclosed in the prior of Title 35, United States C known to me to be materia	under Title 35, United States and, insofar as the subject more United States application in Code, Section 112, I acknowled to patentability as defined in a available between the filing that of this application:	natter of the ma edge the n Title 3	f each of the claims inner provided by the e duty to disclose a B7, Code of Federal	s of this ap ne first par all informat I Regulatio	plication agraph iion ns,
Application Number	(Filing Date – MM/DD/Y	YYY)	Status patented pending	i, g, abandor	ned
Application Number	(Filing Date – MM/DD/Y)	YYY)	Status patented	d, a abandor	ned

and Trademark Office connected herewith. Send correspondence to <u>Michael J. Mallie</u>, BLAKELY, SOKOLOFF, TAYLOR & (Name of Attorney or Agent) ZAFMAN LLP, 12400 Wilshire Boulevard 7th Floor, Los Angeles, California 90025 and direct telephone calls to <u>Michael J. Mallie</u>, (408) 720-8300. (Name of Attorney or Agent) I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. Full Name of Sole/First Inventor <u>Manoj Khare</u> Inventor's Signature _____ Date Residence Saratoga, California Citizenship (Country) (City, State) Post Office Address <u>12650 Orella Court</u> Saratoga, California 95070 Full Name of Second/Joint Inventor Akhilesh Kumar Inventor's Signature _____ Date ____ Residence Santa Clara, California Citizenship India (City, State) (Country) Post Office Address 3480 Granada Avenue Apt. 223 Santa Clara, California 95051 Full Name of Third/Joint Inventor Lily P. Looi Inventor's Signature Like Losi Date 11/3/00 Residence Portland, Oregon Citizenship U.S.A. (City, State) (Country) Post Office Address <u>15134 N.W. Mitchell St.</u> Portland Oregon, 97229

I hereby appoint the persons listed on Appendix A hereto (which is incorporated by reference and a part of this document) as my respective patent attorneys and patent agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent

Rev. 10/01/00 (D3 INTEL)

Full Name of Fourth/Jo	int Inventor Kenneth C. C	Creta	
Inventor's Signature		Date	
Residence	(City, State)	Citizenship	U.S.A. (Country)
Post Office Address			
Full Name of Fifth/Joint	t Inventor		,
Inventor's Signature		Date	
Residence	(City, State)	Citizenship	(Country)
Post Office Address			
Full Name of Sixth/Join	it Inventor		
Inventor's Signature		Date	
Residence	(City, State)	Citizenship	(Country)
Post Office Address			
Full Name of Seventh/	Joint Inventor		
Inventor's Signature	*****	Date	
Residence	(City, State)	Citizenship	(Country)
Post Office Address			

APPENDIX A

William E. Alford, Reg. No. 37,764; Farzad E. Amini, Reg. No. 42,261; William Thomas Babbitt, Reg. No. 39,591; Carol F. Barry, Reg. No. 41,600; Jordan Michael Becker, Reg. No. 39,602; Lisa N. Benado, Reg. No. 39,995; Bradley J. Bereznak, Reg. No. 33,474; Michael A. Bernadicou, Reg. No. 35,934; Roger W. Blakely, Jr., Reg. No. 25,831; R. Alan Burnett, Reg. No. 46,149; Gregory D. Caldwell, Reg. No. 39,926; Andrew C. Chen, Reg. No. 43,544; Thomas M. Coester, Reg. No. 39,637; Donna Jo Coningsby, Reg. No. 41,684; Florin Corie, Reg. No. 46,244; Dennis M. deGuzman, Reg. No. 41,702; Stephen M. De Klerk, Reg. No. 46,503; Michael Anthony DeSanctis, Reg. No. 39,957; Daniel M. De Vos, Reg. No. 37,813; Sanjeet Dutta, Reg. No. 46,145; Matthew C. Fagan, Reg. No. 37,542; Tarek N. Fahmi, Reg. No. 41,402; George Fountain, Reg. No. 37,374; James Y. Go, Reg. No. 40,621; James A. Henry, Reg. No. 41,064; Libby N. Ho, Reg. No. 46,774; Willmore F. Holbrow III, Reg. No. 41,845; Sheryl Sue Holloway, Reg. No. 37,850; George W Hoover II, Reg. No. 32,992; Eric S. Hyman, Reg. No. 30,139; William W. Kidd, Reg. No. 31,772; Sang Hui Kim, Reg. No. 40,450; Walter T. Kim, Reg. No. 42,731; Eric T. King, Reg. No. 44,188; George Brian Leavell, Reg. No. 45,436; Kurt P. Leyendecker, Reg. No. 42,799; Gordon R. Lindeen III, Reg. No. 33,192; Jan Carol Little, Reg. No. 41,181; Robert G. Litts, Reg. No. 46,876; Joseph Lutz, Reg. No. 43,765; Michael J. Mallie, Reg. No. 36,591; Andre L. Marais, under 37 C.F.R. § 10.9(b); Paul A. Mendonsa, Reg. No. 42,879; Clive D. Menezes, Reg. No. 45,493; Chun M. Ng, Reg. No. 36,878; Thien T. Nguyen, Reg. No. 43,835; Thinh V. Nguyen, Reg. No. 42,034; Dennis A. Nicholls, Reg. No. 42,036; Robert B. O'Rourke, Reg. No. 46,972; Daniel E. Ovanezian, Reg. No. 41,236; Kenneth B. Paley, Reg. No. 38,989; Gregg A. Peacock, Reg. No. 45,001; Marina Portnova, Reg. No. 45,750; William F. Ryann, Reg. 44,313; James H. Salter, Reg. No. 35,668; William W. Schaal, Reg. No. 39.018; James C. Scheller, Reg. No. 31,195; Jeffrey Sam Smith, Reg. No. 39,377; Maria McCormack Sobrino, Reg. No. 31,639; Stanley W. Sokoloff, Reg. No. 25,128; Judith A. Szepesi, Reg. No. 39,393; Vincent P. Tassinari, Reg. No. 42,179; Edwin H. Taylor, Reg. No. 25,129; John F. Travis, Reg. No. 43,203; Joseph A. Twarowski, Reg. No. 42,191; Tom Van Zandt, Reg. No. 43,219; Lester J. Vincent, Reg. No. 31,460; Glenn E. Von Tersch, Reg. No. 41,364; John Patrick Ward, Reg. No. 40,216; Mark L. Watson, Reg. No. 46,322; Thomas C. Webster, Reg. No. 46,154; and Norman Zafman, Reg. No. 26,250; my patent attorneys, and Firasat Ali, Reg. No. 45,715; Justin M. Dillon, Reg. No. 42,486; Thomas S. Ferrill, Reg. No. 42.532; and Raul Martinez, Reg. No. 46,904, my patent agents, of BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP, with offices located at 12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 90025, telephone (310) 207-3800, and Alan K. Aldous, Reg. No. 31,905; Edward R. Brake, Reg. No. 37,784; Ben. Burge, Reg. No. 42,372; Jeffrey S. Draeger, Reg. No. 41,000; Cynthia Thomas Faatz, Reg No. 39,973; John N. Greaves, Reg. No. 40,362; Seth Z. Kalson, Reg. No. 40,670; David J. Kaplan, Reg. No. 41,105; Peter Lam, Reg. No. 44,855; Charles A. Mirho, Reg. No. 41,199; Leo V. Novakoski, Reg. No. 37,198; Thomas C. Reynolds, Reg. No. 32,488; Kenneth M. Seddon, Reg. No. 43,105; Mark Seeley, Reg. No. 32,299; Steven P. Skabrat, Reg. No. 36,279; Howard A. Skaist, Reg. No. 36,008; Gene I. Su, Reg. No. 45,140; Calvin E. Wells, Reg. No. P43,256, Raymond J. Werner, Reg. No. 34,752; Robert G. Winkle, Reg. No. 37.474; Steven D. Yates, Reg. No. 42,242; and Charles K. Young, Reg. No. 39,435; my patent attorneys, of INTEL CORPORATION; and James R. Thein, Reg. No. 31,710, my patent attorney with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

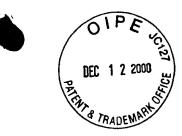
APPENDIX B

Title 37, Code of Federal Regulations, Section 1.56 Duty to Disclose Information Material to Patentability

- (a) A patent by its very nature is affected with a public interest. The public interest is best served. and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclosure information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclosure all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:
 - (1) Prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) The closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made or record in the application, and
- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
 - (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
 - (1) Each inventor named in the application;
 - (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.



Attorney's Docket No.: 42390.P9301 PATENT

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION (FOR INTEL CORPORATION PATENT APPLICATIONS)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below, next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

A METHOD AND APPARATUS FOR PIPELINING ORDERED INPUT/OUTPUT

TRANSACTIONS TO COHERENT MEMORY IN A DISTRIBUTED MEMORY, CACHE

COHERENT, MULTI-PROCESSOR SYSTEM

the specification of whi	Cl	h
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	is attached hereto.	
X	was filed onAugust 21, 2000	as
	United States Application I	Number 09/643,380
	or PCT International Applic	ation Number
	and was amended on (MM	/DD/YYYY)
	·	(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment referred to above. I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, and that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d), of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)		Priority <u>Claimed</u>
(Number)	(Country)	(Foreign Filing Date - MM/DD/YYYY)	Yes No
(Number)	(Country)	(Foreign Filing Date - MM/DD/YYYY)	Yes No
(Number)	(Country)	(Foreign Filing Date - MM/DD/YYYY)	Yes No
I hereby claim the benefit upprovisional application(s) lis		es Code, Section 119(e) of	any United States
Application Number	(Filing Date – M	M/DD/YYYY)	
Application Number	(Filing Date – M	M/DD/YYYY)	
application(s) listed below a is not disclosed in the prior of Title 35, United States C known to me to be material	and, insofar as the subject United States application ode, Section 112, I acknow I to patentability as defined a available between the fili	is Code, Section 120 of any matter of each of the claim in the manner provided by wledge the duty to disclose I in Title 37, Code of Federang date of the prior applica	s of this application the first paragraph all information al Regulations,
Application Number	(Filing Date – MM/DD/		ed, ng, abandoned
Application Number	(Filing Date – MM/DD/		ed,

substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith. Send correspondence to <u>Michael J. Mallie</u>, BLAKELY, SOKOLOFF, TAYLOR & (Name of Attorney or Agent) ZAFMAN LLP, 12400 Wilshire Boulevard 7th Floor, Los Angeles, California 90025 and direct telephone calls to <u>Michael J. Mallie</u>, (408) 720-8300. (Name of Attorney or Agent) I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. Full Name of Sole/First Inventor Manoj Khare Kharl Date 11/15/2000 Inventor's Signature Citizenship Residence Saratoga, California (Country) (City, State) Post Office Address 12650 Orella Court Saratoga, California 95070 Full Name of Second/Joint Inventor Akhilesh Kumar Inventor's Signature Residence Santa Clara, California Citizenship (City, State) Post Office Address 3480 Granada Avenue Apt. 223 1256 REMBRANDT DRIVE Santa Clarc. California 95051 SUNNYVALE, CA 94087 Full Name of Third/Joint Inventor Lily P. Looi Inventor's Signature _____ Date ____ Residence Portland, Oregon Citizenship U.S.A. (City, State) Post Office Address <u>15134 N.W. Mitchell St.</u>

I hereby appoint the persons listed on Appendix A hereto (which is incorporated by reference and a part of this document) as my respective patent attorneys and patent agents, with full power of

Portland Oregon, 97229

Full Name of Fourth/Joint Inventor Kenneth C. Creta	·
Inventor's Signature	Date
Residence(City, State)	Citizenship U.S.A. (Country)
Post Office Address	
Full Name of Fifth/Joint Inventor	
Inventor's Signature	Date
Residence(City, State)	Citizenship(Country)
Post Office Address	
Full Name of Sixth/Joint Inventor	
Inventor's Signature	Date
Residence(City, State)	Citizenship(Country)
Post Office Address	
Full Name of Seventh/Joint Inventor	
Inventor's Signature	Date
Residence(City, State)	_ Citizenship(Country)
Post Office Address	, , , , ,

APPENDIX A

William E. Alford, Reg. No. 37,764; Farzad E. Amini, Reg. No. 42,261; William Thomas Babbitt, Reg. No. 39,591; Carol F. Barry, Reg. No. 41,600; Jordan Michael Becker, Reg. No. 39,602; Lisa N. Benado, Reg. No. 39,995; Bradley J. Bereznak, Reg. No. 33,474; Michael A. Bernadicou, Reg. No. 35,934; Roger W. Blakely, Jr., Reg. No. 25,831; R. Alan Burnett, Reg. No. 46,149; Gregory D. Caldwell, Reg. No. 39,926; Andrew C. Chen, Reg. No. 43,544; Thomas M. Coester, Reg. No. 39,637; Donna Jo Coningsby, Reg. No. 41,684; Florin Corie, Reg. No. 46,244; Dennis M. deGuzman, Reg. No. 41,702; Stephen M. De Klerk, Reg. No. 46,503; Michael Anthony DeSanctis, Reg. No. 39,957; Daniel M. De Vos, Reg. No. 37,813; Sanjeet Dutta, Reg. No. 46,145; Matthew C. Fagan, Reg. No. 37,542; Tarek N. Fahmi, Reg. No. 41,402; George Fountain, Reg. No. 37,374; James Y. Go, Reg. No. 40,621; James A. Henry, Reg. No. 41,064; Libby N. Ho, Reg. No. 46,774; Willmore F. Holbrow III, Reg. No. 41,845; Sheryl Sue Holloway, Reg. No. 37,850; George W Hoover II, Reg. No. 32,992; Eric S. Hyman, Reg. No. 30,139; William W. Kidd, Reg. No. 31,772; Sang Hui Kim, Reg. No. 40,450; Walter T. Kim, Reg. No. 42,731; Eric T. King, Reg. No. 44,188; George Brian Leavell, Reg. No. 45,436; Kurt P. Leyendecker, Reg. No. 42,799; Gordon R. Lindeen III, Reg. No. 33,192; Jan Carol Little, Reg. No. 41,181; Robert G. Litts, Reg. No. 46,876; Joseph Lutz, Reg. No. 43,765; Michael J. Mallie, Reg. No. 36,591; Andre L. Marais, under 37 C.F.R. § 10.9(b); Paul A. Mendonsa, Reg. No. 42,879; Clive D. Menezes, Reg. No. 45,493; Chun M. Ng, Reg. No. 36,878; Thien T. Nguyen, Reg. No. 43,835; Thinh V. Nguyen, Reg. No. 42,034; Dennis A. Nicholls, Reg. No. 42,036; Robert B. O'Rourke, Reg. No. 46,972; Daniel E. Ovanezian, Reg. No. 41,236; Kenneth B. Paley, Reg. No. 38,989; Gregg A. Peacock, Reg. No. 45,001; Marina Portnova, Reg. No. 45,750; William F. Ryann, Reg. 44,313; James H. Salter, Reg. No. 35,668; William W. Schaal, Reg. No. 39,018; James C. Scheller, Reg. No. 31,195; Jeffrey Sam Smith, Reg. No. 39,377; Maria McCormack Sobrino, Reg. No. 31,639; Stanley W. Sokoloff, Reg. No. 25,128; Judith A. Szepesi, Reg. No. 39,393; Vincent P. Tassinari, Reg. No. 42,179; Edwin H. Taylor, Reg. No. 25,129; John F. Travis, Reg. No. 43,203; Joseph A. Twarowski, Reg. No. 42,191; Tom Van Zandt, Reg. No. 43,219; Lester J. Vincent, Reg. No. 31,460; Glenn E. Von Tersch, Reg. No. 41,364; John Patrick Ward, Reg. No. 40,216; Mark L. Watson, Reg. No. 46,322; Thomas C. Webster, Reg. No. 46,154; and Norman Zafman, Reg. No. 26,250; my patent attorneys, and Firasat Ali, Reg. No. 45,715; Justin M. Dillon, Reg. No. 42,486; Thomas S. Ferrill, Reg. No. 42,532; and Raul Martinez, Reg. No. 46,904, my patent agents, of BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP, with offices located at 12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 90025, telephone (310) 207-3800, and Alan K. Aldous, Reg. No. 31,905; Edward R. Brake, Reg. No. 37,784; Ben Burge, Reg. No. 42,372; Jeffrey S. Draeger, Reg. No. 41,000; Cynthia Thomas Faatz, Reg No. 39,973; John N. Greaves, Reg. No. 40,362; Seth Z. Kalson, Reg. No. 40,670; David J. Kaplan, Reg. No. 41,105; Peter Lam, Reg. No. 44,855; Charles A. Mirho, Reg. No. 41,199; Leo V. Novakoski, Reg. No. 37,198; Thomas C. Reynolds, Reg. No. 32,488; Kenneth M. Seddon, Reg. No. 43,105; Mark Seeley, Reg. No. 32,299; Steven P. Skabrat, Reg. No. 36,279; Howard A. Skaist, Reg. No. 36,008; Gene I. Su, Reg. No. 45,140; Calvin E. Wells, Reg. No. P43,256, Raymond J. Werner, Reg. No. 34,752; Robert G. Winkle, Reg. No. 37,474; Steven D. Yates, Reg. No. 42,242; and Charles K. Young, Reg. No. 39,435; my patent attorneys, of INTEL CORPORATION; and James R. Thein, Reg. No. 31,710, my patent attorney with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

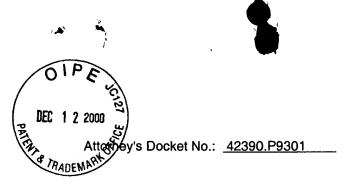
APPENDIX B

Title 37, Code of Federal Regulations, Section 1.56 Duty to Disclose Information Material to Patentability

- (a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclosure information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclosure all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:
 - (1) Prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) The closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made or record in the application, and
- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
 - (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
 - (1) Each inventor named in the application;
 - (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.





<u>DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION</u> (FOR <u>INTEL CORPORATION</u> PATENT APPLICATIONS)

JAN 2 2 2001

As a below named inventor, I hereby declare that:

Technology Center 2100

My residence, post office address and citizenship are as stated below, next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

A METHOD AND APPARATUS FOR PIPELINING ORDERED INPUT/OUTPUT
TRANSACTIONS TO COHERENT MEMORY IN A DISTRIBUTED MEMORY, CACHE
COHERENT, MULTI-PROCESSOR SYSTEM

the specification of which

	is attached hereto.	
X	was filed on August 21, 2000	as
	United States Application Number09/643,380)
	or PCT International Application Number	
	and was amended on (MM/DD/YYYY)	
	(if applicable)	

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment referred to above. I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, and that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d), of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Rev. 10/01/00 (D3 INTEL)

Prior Foreign Application(s	1		Priority <u>Claimed</u>	
(Number)		oreign Filing Date - MM/DD/YYYY)	Yes No	
(Number)		oreign Filing Date - MM/DD/YYYY)	Yes No	-
(Number)		Foreign Filing Date - MM/DD/YYYY)	Yes No	-
I hereby claim the benefit uprovisional application(s) li	under Title 35, United States C sted below:	code, Section 119(e) of	any United State	S
Application Number	(Filing Date – MM/D	DD/YYYY)		
Application Number	(Filing Date – MM/D	DD/YYYY)		
application(s) listed below is not disclosed in the prior of Title 35, United States C known to me to be materia	under Title 35, United States Cand, insofar as the subject mar United States application in the Code, Section 112, I acknowled I to patentability as defined in e available between the filing of date of this application:	tter of each of the claim ne manner provided by dge the duty to disclose Title 37, Code of Federa	ns of this applicat the first paragrap all information al Regulations,	oh
Application Number	(Filing Date – MM/DD/YY)	•	ed, ng, abandoned	
Application Number	(Filing Date – MM/DD/YY)		ed, ng, abandoned	•

substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith. Send correspondence to <u>Michael J. Mallie</u>, BLAKELY, SOKOLOFF, TAYLOR & (Name of Attorney or Agent) ZAFMAN LLP, 12400 Wilshire Boulevard 7th Floor, Los Angeles, California 90025 and direct telephone calls to <u>Michael J. Mallie</u>, (408) 720-8300. (Name of Attorney or Agent) I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. Full Name of Sole/First Inventor Manoj Khare Inventor's Signature ______ Date ____ Residence Saratoga, California Citizenship (Country) (City, State) Post Office Address 12650 Orella Court Saratoga, California 95070 Full Name of Second/Joint Inventor Akhilesh Kumar Inventor's Signature _____ Date ____ Residence Santa Clara, California Citizenship India (Country) (City, State) Post Office Address 3480 Granada Avenue Apt. 223 Santa Clara, California 95051 Full Name of Third/Joint Inventor Lily P. Looi Inventor's Signature _____ Date ____ Residence Portland, Oregon Citizenship U.S.A. (City, State) (Country) Post Office Address 15134 N.W. Mitchell St.

I hereby appoint the persons listed on Appendix A hereto (which is incorporated by reference and a part of this document) as my respective patent attorneys and patent agents, with full power of

Rev. 10/01/00 (D3 INTEL)

Portland Oregon, 97229

	Joint Inventor Kenneth C. C			
Inventor's Signature	This C. LE	Date	/3/00	
Residence <u>Gia</u>	Harbor, WA (City, State)	Citizenship	U.S.A. (Country)	
Post Office Address	3016 37th SV. Gig Harbor, WA	NW 18335		
Full Name of Fifth/Jo	int Inventor		-	
Inventor's Signature		Date		
Residence	(City, State)	Citizenship	(Country)	
Post Office Address			-	
Full Name of Sixth/Jo	oint Inventor			
Inventor's Signature		Date		***
Residence		Citizenship		
Full Name of Seventh	n/Joint Inventor		·	-
Inventor's Signature		Date		
Residence	(City, State)	Citizenship	(Country)	
Post Office Address				

APPENDIX A

William E. Alford, Reg. No. 37,764; Farzad E. Amini, Reg. No. 42,261; William Thomas Babbitt, Reg. No. 39,591; Carol F. Barry, Reg. No. 41,600; Jordan Michael Becker, Reg. No. 39,602; Lisa N. Benado, Reg. No. 39,995; Bradley J. Bereznak, Reg. No. 33,474; Michael A. Bernadicou, Reg. No. 35,934; Roger W. Blakely, Jr., Reg. No. 25,831; R. Alan Burnett, Reg. No. 46,149; Gregory D. Caldwell, Reg. No. 39,926; Andrew C. Chen, Reg. No. 43,544; Thomas M. Coester, Reg. No. 39,637; Donna Jo Coningsby, Reg. No. 41,684; Florin Corie, Reg. No. 46,244; Dennis M. deGuzman, Reg. No. 41,702; Stephen M. De Klerk, Reg. No. 46,503; Michael Anthony DeSanctis, Reg. No. 39,957; Daniel M. De Vos, Reg. No. 37,813; Sanjeet Dutta, Reg. No. 46,145; Matthew C. Fagan, Reg. No. 37,542; Tarek N. Fahmi, Reg. No. 41,402; George Fountain, Reg. No. 37,374; James Y. Go, Reg. No. 40,621; James A. Henry, Reg. No. 41,064; Libby N. Ho, Reg. No. 46,774; Willmore F. Holbrow III, Reg. No. 41,845; Sheryl Sue Holloway, Reg. No. 37,850; George W Hoover II, Reg. No. 32,992; Eric S. Hyman, Reg. No. 30,139; William W. Kidd, Reg. No. 31,772; Sang Hui Kim, Reg. No. 40,450; Walter T. Kim, Reg. No. 42,731; Eric T. King, Reg. No. 44,188; George Brian Leavell, Reg. No. 45,436; Kurt P. Leyendecker, Reg. No. 42,799; Gordon R. Lindeen III, Reg. No. 33,192; Jan Carol Little, Reg. No. 41,181; Robert G. Litts, Reg. No. 46,876; Joseph Lutz, Reg. No. 43,765; Michael J. Mallie, Reg. No. 36,591; Andre L. Marais, under 37 C.F.R. § 10.9(b); Paul A. Mendonsa, Reg. No. 42,879; Clive D. Menezes, Reg. No. 45,493; Chun M. Ng, Reg. No. 36,878; Thien T. Nguyen, Reg. No. 43,835; Thinh V. Nguyen, Reg. No. 42,034; Dennis A. Nicholls, Reg. No. 42,036; Robert B. O'Rourke, Reg. No. 46,972; Daniel E. Ovanezian, Reg. No. 41,236; Kenneth B. Paley, Reg. No. 38,989; Gregg A. Peacock, Reg. No. 45,001; Marina Portnova, Reg. No. 45,750; William F. Ryann, Reg. 44,313; James H. Salter, Reg. No. 35,668; William W. Schaal, Reg. No. 39,018; James C. Scheller, Reg. No. 31,195; Jeffrey Sam Smith, Reg. No. 39,377; Maria McCormack Sobrino, Reg. No. 31,639; Stanley W. Sokoloff, Reg. No. 25,128; Judith A. Szepesi, Reg. No. 39,393; Vincent P. Tassinari, Reg. No. 42,179; Edwin H. Taylor, Reg. No. 25,129; John F. Travis, Reg. No. 43,203; Joseph A. Twarowski, Reg. No. 42,191; Tom Van Zandt, Reg. No. 43,219; Lester J. Vincent, Reg. No. 31,460; Glenn E. Von Tersch, Reg. No. 41,364; John Patrick Ward, Reg. No. 40,216; Mark L. Watson, Reg. No. 46,322; Thomas C. Webster, Reg. No. 46,154; and Norman Zafman, Reg. No. 26,250; my patent attorneys, and Firasat Ali, Reg. No. 45,715; Justin M. Dillon, Reg. No. 42,486; Thomas S. Ferrill, Reg. No. 42,532; and Raul Martinez, Reg. No. 46,904, my patent agents, of BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP, with offices located at 12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 90025, telephone (310) 207-3800, and Alan K. Aldous, Reg. No. 31,905; Edward R. Brake, Reg. No. 37,784; Ben. Burge, Reg. No. 42,372; Jeffrey S. Draeger, Reg. No. 41,000; Cynthia Thomas Faatz, Reg No. 39,973; John N. Greaves, Reg. No. 40,362; Seth Z. Kalson, Reg. No. 40,670; David J. Kaplan, Reg. No. 41,105; Peter Lam, Reg. No. 44,855; Charles A. Mirho, Reg. No. 41,199; Leo V. Novakoski, Reg. No. 37,198; Thomas C. Reynolds, Reg. No. 32,488; Kenneth M. Seddon, Reg. No. 43,105; Mark Seeley, Reg. No. 32,299; Steven P. Skabrat, Reg. No. 36,279; Howard A. Skaist, Reg. No. 36,008; Gene I. Su, Reg. No. 45,140; Calvin E. Wells, Reg. No. P43,256, Raymond J. Werner, Reg. No. 34,752; Robert G. Winkle, Reg. No. 37,474; Steven D. Yates, Reg. No. 42,242; and Charles K. Young, Reg. No. 39,435; my patent attorneys, of INTEL CORPORATION; and James R. Thein, Reg. No. 31,710, my patent attorney with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

APPENDIX B

Title 37, Code of Federal Regulations, Section 1.56 <u>Duty to Disclose Information Material to Patentability</u>

- (a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclosure information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclosure all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:
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- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
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